

25. The information storage media of claim 21, further comprising information that repeats the determining step using the updated time domain equalizer coefficients as the initial time domain equalizer coefficients.

26. The information storage media of claim 21, further comprising information that estimates a channel frequency response.

27. The information storage media of claim 21, wherein the updated time domain equalizer coefficients are used during showtime.

28. The information storage media of claim 21, wherein the method is performed in one or more of a DSL, VDSL, SDSL, HDSL, HDSL2, discrete multi-tone, discrete wavelet multi-tone DSL or wireless OFDM system.

29. The information storage media of claim 21, further comprising information that receives a data matrix.

30. The information storage media of claim 21, further comprising information that performs additional training based on the updated time domain equalizer coefficients.